

LD 11411

## IR-COATED HALOGEN LAMP USING REFLECTIVE END COATS

### ABSTRACT OF THE DISCLOSURE

5 A halogen infrared lamp (100) having an infrared reflective coating (118) along with a totally reflecting coating (120) on ends of an ellipsoidal portion of the envelope. The totally reflecting coating reflects the infrared radiation escaping at acute angles and directs the infrared radiation towards the filament to increase the temperature of the filament and thus increase the efficacy of the lamp. The totally reflecting coating may also extend to portions of tubular members extending from the ellipsoidal portion of the envelope.